

PLUS

09724761 CLS.txt

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09724761 on August 16, 2001

Original Classifications

5 303/89
4 188/353
3 303/20
2 180/271
2 303/3
2 340/453
2 477/194

Cross-Reference Classifications

5 188/353
4 303/89
3 188/1.11R
3 188/170
3 303/15
3 303/20
3 303/24.1
3 477/196
2 92/63
2 180/273
2 188/1.11E
2 188/1.11L
2 188/72.6
2 188/72.8
2 303/13
2 303/155
2 303/3
2 303/6.1
2 303/7
2 303/9
2 324/207.2
2 338/32H

Combined Classifications

9 188/353
9 303/89
6 303/20
4 188/170
4 303/3
4 477/196
3 180/271
3 188/1.11L
3 188/1.11R
3 188/72.6

09724761_CLS.txt

3 303/15
3 303/24.1
3 303/6.1
3 303/7
3 340/453
2 92/63
2 180/273
2 188/1.11E
2 188/265
2 188/72.8
2 303/113.4
2 303/13
2 303/155
2 303/19
2 303/191
2 303/9
2 324/207.2
2 338/32H
2 477/194

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09724761 on August 16, 2001

9 188/353 (4 OR, 5 XR)

Class 188 : BRAKES

188/381 FRICTIONAL VIBRATION DAMPER

188/151R .Fluid pressure

188/152 ..Road vehicle

188/353 ...With hydraulic lock

9 303/89 (5 OR, 4 XR)

Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/89 LOCKS

6 303/20 (3 OR, 3 XR)

Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/20 ELECTRIC CONTROL

4 188/170 (1 OR, 3 XR)

Class 188 : BRAKES

188/381 FRICTIONAL VIBRATION DAMPER

188/166 .Spring

188/170 ..Fluid-pressure release

4 303/3 (2 OR, 2 XR)

Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/2 MULTIPLE SYSTEMS

303/3 .Fluid pressure and electric

4 477/196 (1 OR, 3 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/182 BRAKE CONTROL

477/194 .Brake control having holding device, with
means on engine control to override holdi

ng device

477/195 ..Holding device responsive to motion, speed o
r acceleration477/196 ...Holding device comprising brake valve
operated by solenoid

3 180/271 (2 OR, 1 XR)

Class 180 : MOTOR VEHICLES

180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT

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- 3 188/1.11L (1 OR, 2 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
188/1.11W .Wear
188/1.11L ..Electrical
- 3 188/1.11R (0 OR, 3 XR)
Class 188 : BRAKES
188/1.11R WITH CONDITION INDICATOR
- 3 188/72.6 (1 OR, 2 XR)
Class 188 : BRAKES
188/67 ROD
188/71.1 .Axially movable brake element or housing
therefor
188/72.1 ..With means for actuating brake element
188/72.4 ...By fluid pressure piston
188/72.6And/or mechanical linkage
- 3 303/15 (0 OR, 3 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/13 MULTIPLE CONTROL
303/15 .Fluid and electric
- 3 303/24.1 (0 OR, 3 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/24.1 INERTIA CONTROL
- 3 303/6.1 (1 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors
303/6.1 ..Brake and door
- 3 303/7 (1 OR, 2 XR)
Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
303/5 MULTIPLE FLUID-RECEIVING DEVICES
303/6.01 .Multiple motors
303/7 ..Sectional train
- 3 340/453 (2 OR, 1 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/425.5 LAND VEHICLE ALARMS OR INDICATORS
340/438 .Internal alarm or indicator responsive to a
condition of the vehicle
340/453 ..Brake or clutch condition

2 92/63 (0 OR, 2 XR)
 Class 092 : EXPANSIBLE CHAMBER DEVICES
 92/61 RELATIVELY MOVABLE WORKING MEMBERS
 92/62 .First working member moves second coaxial
 surfaces working member through separating abutment
 92/63 ..With separate biasing means for a working
 member

2 180/273 (0 OR, 2 XR)
 Class 180 : MOTOR VEHICLES
 180/271 WITH MEANS FOR PROMOTING SAFETY OF VEHICLE, IT
 S OCCUPANT OR LOAD, OR AN EXTERNAL OBJECT
 180/272 .Responsive to absence or inattention of
 operator, or negatively reactive to attempt
 t to operate vehicle by person not qualified mentally o
 r physically to do so
 180/273 ..Utilizing weight, or lack thereof, of
 operator on seat or other support to determ
 ine presence or absence

2 188/1.11E (0 OR, 2 XR)
 Class 188 : BRAKES
 188/1.11R WITH CONDITION INDICATOR
 188/1.11E .Electrical

2 188/265 (1 OR, 1 XR)
 Class 188 : BRAKES
 188/381 FRICTIONAL VIBRATION DAMPER
 188/265 .Locks

2 188/72.8 (0 OR, 2 XR)
 Class 188 : BRAKES
 188/67 ROD
 188/71.1 .Axially movable brake element or housing
 therefor
 188/72.1 ..With means for actuating brake element
 188/72.7 ...By inclined surface (e.g., wedge, cam or
 screw)
 188/72.8Screw or helical cam

2 303/113.4 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS

303/121 SPEED-CONTROLLED
 303/113.1 .Having a valve system responsive to a wheel
 lock signal
 303/113.4 ..Including a stroke sensor

2 303/13 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/13 MULTIPLE CONTROL

2 303/155 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/155 .Braking pressure demand or braking force
 desire

2 303/19 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/18 EXTERIOR CONTROL
 303/19 .Deadman type

2 303/191 (1 OR, 1 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/121 SPEED-CONTROLLED
 303/191 .Odd condition or device detection (e.g., fluid
 or brake temperature, hill holder, anti-squeal
 controller,
 acoustic emission)

2 303/9 (0 OR, 2 XR)
 Class 303 : FLUID-PRESSURE AND ANALOGOUS BRAKE SYSTEMS
 303/5 MULTIPLE FLUID-RECEIVING DEVICES
 303/6.01 .Multiple motors
 303/9 ..Supplementary in emergency

2 324/207.2 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/200 MAGNETIC
 324/207.11 .Displacement
 324/207.13 ..Having particular sensor means
 324/207.2 ...Hall effect

2 338/32H (0 OR, 2 XR)
 Class 338 : ELECTRICAL RESISTORS
 338/13 RESISTANCE VALUE RESPONSIVE TO A CONDITION
 338/32R .Magnetic field or compass (e.g., Hall effect
 type)
 338/32H ..Hall effect

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2 477/194 (2 OR, 0 XR)

Class 477 : INTERRELATED POWER DELIVERY CONTROLS,
INCLUDING ENGINE CONTROL

477/182 BRAKE CONTROL

477/194 .Brake control having holding device, with
means on engine control to override holding

device

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Drafts

Pending

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1: (144) safety SAME brakes SAME sensor\$1

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Outline

File Edit Tools Window Help

USPAT

Default operator: OR

safety SAME brakes SAME sensor\$1

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File Edit Tools Window Help

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	U	Y	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P
1			US 6282264 B1	20010828	63	Digital flat panel x-ray detector positioning in diagnostic radiol	378/189	378/187		Smith, Andrew P.			
2			US 6282264 B1	20010828	63	Digital flat panel x-ray detector positioning in diagnostic radiol	378/189	378/177		Smith, Andrew P.			
3			US 6262306 B1	20010717	14	Materials with ferromagnetic properties comprising organic	564/271	564/248		Lerliche, Christian			
4			US 6259980 B1	20010710	12	Automated control system for remote vehicles	701/24	701/36		Peck, Alex N.			
5			US 6263879 B1	20010703	8	Apparatus and method of determining a presence of an al	187/287	187/394		Skalski, Clement			
6			US 6247664 B1	20010619	17	Reel monitor devices and methods of using the same	242/486.6	242/413.2		Petersen, Mark W.			
7			US 6246200 B1	20010612	25	Manipulator positioning linkage for robotic surgery	318/568.11	128/D10.7		Blumenkranz, Steven J.			
8			US 6239423 B1	20010529	22	Area sensor with optical axis having narrow, annular charact	250/221	250/222.1		Hama, Kiyoshi			
9			US 6208812 B1	20010327	32	Camera with bar code reader	396/210	396/311		Sato, Tokuji			
10			US 6204575 B1	20010320	13	Method of verifying an extension area sensor controlla	307/119	307/112		Yamaguchi, Akiji			
11			US 6193328 B1	20010227	9	Hydraulic anti-lock brake system and circuit arrangement	303/113.4	303/113.5		Feigel, Hans-Jorg			
12			US 6186602 B1	20010213	8	Hydraulic vehicle braking system	303/115.4	303/155		Jonner, Wolf-Dieter			
13			US 6179646 B1	20010130	14	Flip-over ramp	414/537	14/71.7		Petersen, Jr., Lee B.			
14			US 6179479 B1	20010130	11	Fiber optic connector with self-closing shutter	385/73	385/83		Crivelli, Franco			
15			US 6137408 A	20001024	16	Controller for plural area sensors	340/556	250/221		Okada, Toshio			
16			US 6131450 A	20001017	8	Method and apparatus for controlling the brake system of	73/121	73/129		Decker, Heinz			
17			US 6119837 A	20000919	7	Method and arrangement for controlling cable winding and u	191/12.2A			Tschurbanoff, Aleksei			
18			US 6096277 A	20000801	6	Vehicle steering system	180/403			Bohner, Hubert			
19			US 6056134 A	20000502	6	Safety device for a storage device	211/187	211/157		Katzenschwanz, Bernhard			
20			US 6016694 A	20000126	10	Method and apparatus for controlling the brake system of	73/121	73/129		Decker, Heinz			

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Drafts
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Active
L1: (144) safety SAME brakes SAME sensor\$1
Failed
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DB: USPAT
Data operator: DR
safety SAME brakes SAME sensor\$1
Push Synonyms
Highlight all items in table

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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P
21	<input type="checkbox"/>	<input type="checkbox"/>	US 6006869 A	19991228	16	Ventilated disc brake	188/71.6	188/170		Rancourt, Claude . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	<input type="checkbox"/>	<input type="checkbox"/>	US 6009366 A	19991228	9	Process for monitoring a braking system with antilock ev	701/71	188/71.7 180/197		Burkhard, Dieter . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	<input type="checkbox"/>	<input type="checkbox"/>	US 6003960 A	19991221	7	Hydraulic braking system with electronic braking pressure reg	303/167	303/121 303/166		Gronau, Ralph . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	<input type="checkbox"/>	<input type="checkbox"/>	US 5991679 A	19991123	8	Safety system for an automatic nearbox	701/62	182/216 182/35.1		Sigg, Peter . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	<input type="checkbox"/>	<input type="checkbox"/>	US 5984429 A	19991116	12	Road vehicle brake system actuation device and method fo	303/113.4	303/166		Nell, Joachim . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	<input type="checkbox"/>	<input type="checkbox"/>	US 5947867 A	19990907	13	Safety system for an automatic nearbox		701/62		Glerer, Georg . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	<input type="checkbox"/>	<input type="checkbox"/>	US 5942972 A	19990824	6	Early lighting of brake-lights in vehicles	340/479	307/10.8 316/7.7		Kaner, Avigdor . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	<input type="checkbox"/>	<input type="checkbox"/>	US 5942753 A	19990824	11	Infrared remote sensing device and system for checking vehicl	250/338.1	250/339.14		Dell, William C. . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	<input type="checkbox"/>	<input type="checkbox"/>	US 5923163 A	19990713	11	Method for defect detection in rotational speed sensors	324/160	303/122.06 324/161		Stuible, Ewald . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	<input type="checkbox"/>	<input type="checkbox"/>	US 5922971 A	19990713	6	Rotation-angle sensor for determining a plurality of rotation	73/862.331	324/207.12		Schmitt, Hans-Michael . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	<input type="checkbox"/>	<input type="checkbox"/>	US 5917430 A	19990629	24	Radar based highway safety warning system	340/905	340/936 342/60		Grenaker, III, Eugene F. . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	<input type="checkbox"/>	<input type="checkbox"/>	US 5906263 A	19990626	14	Ventilated brake assembly	188/264AA			Rancourt, Claude . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	<input type="checkbox"/>	<input type="checkbox"/>	US 5906467 A	19990618	16	Vehicle radar safety apparatus	342/70	342/71 343/786		Rashid, Charles . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	<input type="checkbox"/>	<input type="checkbox"/>	US 5869794 A	19990209	10	Method and device for increased safety in elevators	187/287	187/283 187/393		Spless, Peter . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	<input type="checkbox"/>	<input type="checkbox"/>	US 5845975 A	19981208	13	Sequential selective operation of aircraft brakes	303/126	188/382 244/110A		Wells, Trevor Charles . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	<input type="checkbox"/>	<input type="checkbox"/>	US 5806939 A	19980916	7	Brake system with electronic antilock control	303/166	303/113.6 303/115.4		Feigel, Hans-Jorg . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	<input type="checkbox"/>	<input type="checkbox"/>	US 5796039 A	19980818	8	Brake system which maintains brake force distribution upon ev	303/122.06	303/122.12		Fennel, Helmut . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	<input type="checkbox"/>	<input type="checkbox"/>	US 5794639 A	19980818	19	Adjustably controllable walker	135/67	135/66 135/7.7		Einbinder, Eli . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	<input type="checkbox"/>	<input type="checkbox"/>	US 5788336 A	19980804	7	Anti-lock brake warning system	303/1	340/466 340/467		Trovato, Karen I. . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	<input type="checkbox"/>	<input type="checkbox"/>	US 5722744 A	19980303	12	Road vehicle electrohydraulic brake system	303/189	303/10 303/115.2		Kupfer, Walter . et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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